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Unofficial English Abstract

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Abstract

A virtual machine system having a plurality of virtual machines, in which each virtual machine can be relocated to a new storage area of main storage without interfering with any other virtual machine. The relocation is carried out by move instructions issued by a service processor 5 upon receipt of a relocate command. These instructions pass control to a controlling section 6 which instructs a logical instruction processor (LIP) controlling section 7 to temporarily stop the LIP of the particular virtual machine. Next a check is made by the resource managing section 8 to determine whether the virtual machine can be moved. Once that has been checked, the virtual machine is relocated on the main storage area in accordance with a designated address by the relocate command and the controlling section 7 restores operation of the virtual machine.

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